

MOUSE IgG1 Isotype control
Monoclonal MG1K IgG1 , Unconjugated
Catalog # ASR2265**Specification**

MOUSE IgG1 Isotype control - Product Information

Description	MOUSE IgG1 Kappa (κ) isotype control
Conjugate	Unconjugated
Clonality	Monoclonal
Application	FC
Application Note	FlowCytometry 1:1000-1:5000
Physical State	Liquid (sterile filtered)
Host Isotype	IgG1
Buffer	0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2
Species of Origin	Mouse
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide

MOUSE IgG1 Isotype control - Additional Information**Shipping Condition**

Wet Ice

Purity

Mouse Isotype control has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. In an Ouchterlony double diffusion assay the material is non-reactive with antisera to mouse IgG2a, IgG2b, IgG3 , IgM , and IgA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse serum. Light and heavy chain composition has been confirmed..

Storage Condition

Store vial at 4° C prior to opening. This product is stable 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

MOUSE IgG1 Isotype control - Protein Information**MOUSE IgG1 Isotype control - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MOUSE IgG1 Isotype control - Images

MOUSE IgG1 Isotype control - Background

Mouse isotype controls are used in flow cytometry, western blot and ELISA and differentiate between immunoglobulin classes and subclasses. Isotype controls allow for the genetic variations or differences in the constant regions of the heavy and light chains. In mouse there are six relevant heavy chain isotypes and two light chain isotypes: heavy chain α - IgA, γ - IgG 1, 2a, 2b, 3 and μ - IgM, light chain κ and λ .